

# INTERNATIONAL SEARCH REPORT

PCT/DK 03/00496

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F16L37/40

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F16L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 800 031 A (CLESSE IND) 8 October 1997 (1997-10-08) the whole document	1-3,6,7
Y		4
A		8
X	US 3 836 114 A (NORTON J ET AL) 17 September 1974 (1974-09-17) the whole document	1-3,5-7
Y		4
A		8
X	SE 443 861 B (FESTO MASCHF STOLL G) 10 March 1986 (1986-03-10) the whole document	1,3,5,6
Y		4
A		8
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	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

16 September 2003

Date of mailing of the international search report

29 SEP 2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2 919 935 A (NYBERG CARL E J) 5 January 1960 (1960-01-05) the whole document	1-3,5,6
Y		4
A	-----	8

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0800031	A	08-10-1997	FR 2746893 A1 EP 0800031 A1	03-10-1997 08-10-1997
US 3836114	A	17-09-1974	NONE	
SE 443861	B	10-03-1986	DE 3036141 A1 ES 8205991 A1 FR 2491192 A1 IT 1139174 B JP 57083782 A NL 183475 C NL 8103529 A ,B SE 8105638 A US 4470575 A	08-04-1982 01-11-1982 02-04-1982 24-09-1986 25-05-1982  16-04-1982 26-03-1982 11-09-1984
US 2919935	A	05-01-1960	NONE	